Contents

Alvarez-Gaumé, L., Ginsparg, P.: Finiteness of Ricci Flat Supersymmetric Non-Linear σ-Models 311
Avan, J., Vega, H. J. de: Instantons of Two-Dimensional Fermionic Effective Actions by Inverse Scattering Transformation 463
Balaban, T.: Ultraviolet Stability of Three-Dimensional Lattice Pure Gauge Field Theories 255
Balaban, T.: The Variational Problem and Background Fields in Renormalization Group Method for Lattice Gauge Theories 277
Beale, J. T.: Large-Time Behavior of the Broadwell Model of a Discrete Velocity Gas 217
Bogoyavlensky, O. I.: Periodic Solutions in a Model of Pulsar Rotation 349
Bordemann, M., Forger, M., Römer, H.: Homogeneous Kähler Manifolds: Paving the Way Towards New Supersymmetric Sigma Models 605
Crane, L., see Rabin, J. M. 123
Dobrushin, R. L., Kolafa, J., Shlosman, S. B.: Phase Diagram of the Two-Dimensional Ising Antiferromagnet (Computer-Assisted Proof) 89
Dubois-Violette, M., Talon, M., Viallet, C. M.: B.R.S. Algebras. Analysis of the Consistency Equations in Gauge Theory 105
Evans, D. E., Lewis, J. T.: On a C^*-Algebra Approach to Phase Transition in the Two-Dimensional Ising Model. II 521
Falqui, G., Reina, C.: BRS Cohomology and Tropological Anomalies 503
Federbush, P., Kennedy, T.: Surface Effects in Debye Screening 361
Felder, G.: Construction of a Non-Trivial Planar Field Theory with Ultraviolet Stable Fixed Point 139
Felder, G., Gallavotti, G.: Perturbation Theory and Non-Renormalizable Scalar Fields 549
Forger, M., see Bordemann, M., et al. 605
Gallavotti, G., see Felder, G. 549
Gawedzki, K., Kupiainen, A.: Gross-Neveu Model Through Convergent Perturbation Expansions 1
Ginsparg, P., see Alvarez-Gaumé, L. 311
Horuzhy, S. S., Voronin, A. V.: Field Algebras do not Leave Field Domains Invariant 687
Jimbo, M.: Quantum R Matrix for the Generalized Toda System 537
Kac, V. G., Todorov, I. T.: Superconformal Current Algebras and Their Unitary Representations 337
Kennedy, T., see Federbush, P. 361
King, C.: The U(1) Higgs Model. I. The Continuum Limit 649
Kolafa, J., see Dobrushin, R. L., et al. 89
Kupiainen, A., see Gawedzki, K. 1
Lewis, J. T., see Evans, D. E. 521
Magnen, J., Rivasseau, V.: The Lipatov Argument for Φ^4_4 Perturbation Theory 59
Mañes, J., Stora, R., Zumino, B.: Algebraic Study of Chiral Anomalies 157
Milnor, J.: On the Concept of Attractor: Correction and Remarks *(Comment)* 517
Palmer, J.: Monodromy Fields on $\mathbb{Z}^2$ 175
Perelomov, A. M., Ragnisco, O., Wojciechowski, S.: Integrability of Two Interacting N-Dimensional Rigid Bodies 573
Picken, R. F., Sundermeyer, K.: Integration on Supermanifolds and a Generalized Cartan Calculus 585
Pillet, C.-A.: Some Results on the Quantum Dynamics of a Particle in a Markovian Potential 237
Rabin, J. M., Crane, L.: How Different are the Supermanifolds of Rogers and DeWitt? 123
Ragnisco, O., see Perelomov, A. M., et al. 573
Reina, C., see Falqui, G. 503

Rivasseau, V., see Magnen, J. 59
Römer, H., see Bordemann, M., et al. 605
Schochet, S.: The Incompressible Limit in Nonlinear Elasticity 207
Schrader, R.: String Tension and Glueball Mass in a Lattice Theory of Disconnected, Selfintersecting Random Surfaces 31
Shlosman, S. B., see Dobrushin, R. L., et al. 89
Shlosman, S. B.: Signs of the Ising Model Ursell Functions 679
Simon, B.: Localization in General One Dimensional Random Systems, I. Jacobi Matrices 327
Slade, G.: The Loop Expansion for the Effective Potential in the $P(\phi)_2$ Quantum Field Theory . 425
Stora, R., see Mañes, J., et al. 157
Sundermeyer, K., see Picken, R. F. 585
Talon, M., see Dubois-Violette, M., et al. 105
Todorov, I. T., see Kac, V. G. 337
Vega, H. J. de, see Avan, J. 463
Verdiere, Y. C. de: Ergodicité et fonctions propres du laplacien 497
Viallet, C. M., see Dubois-Violette, M., et al. 105
Voronin, A. V., see Horuzhy, S. S. 687
Warstat, V.: A Uniqueness Theorem for Systems of Interacting Polymers 47
Wojciechowski, S., see Perelomov, A. M., et al. 573
Zumino, B., see Mañes, J., et al. 157

Indexed in Current Contents
Evaluated for Physics Briefs and INKA-PHYS data base